

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099535.D
 Acq On : 3 May 2019 18:19
 Operator : JU/SJ
 Sample : K2587-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B172-042319

Manual Integrations
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 5/7/2019 11:57:01 PM

Quant Time: May 04 01:52:55 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2545	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	10084	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	7775	0.40	ng	0.01
19) Phenanthrene-d10	17.20	188	21330	0.40	ng	0.01
27) Chrysene-d12	21.38	240	25784	0.40	ng	0.01
34) Perylene-d12	23.89	264	29925	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2727	0.39	ng	0.00
5) Phenol-d6	6.98	99	4054	0.43	ng	0.00
8) Nitrobenzene-d5	8.96	82	3576	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	6380	0.35	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1966	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	9684	0.33	ng	0.00
25) Fluoranthene-d10	19.23	212	80359	0.28	ng	0.01
29) Terphenyl-d14	19.82	244	17055	0.36	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	7840	0.071	ng	# 97
12) 2-Methylnaphthalene	12.28	142	1362	0.071	ng	# 97
16) Acenaphthylene	14.18	152	9988	0.263	ng	# 96
17) Acenaphthene	14.53	154	1158	0.053	ng	# 89
18) Fluorene	15.50	166	2910	0.091	ng	# 92
23) Phenanthrene	17.24	178	71075	1.291	ng	# 99
24) Anthracene	17.34	178	8855	0.169	ng	# 96
26) Fluoranthene	19.26	202	163998	1.989	ng	# 99
28) Pyrene	19.62	202	183272	2.727	ng	# 96
30) Benzo(a)anthracene	21.35	228	104989	1.278	ng	# 92
31) Chrysene	21.41	228	115599	1.438	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.27	149	20170	0.102	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.54	276	55655	0.586	ng	# 95
35) Benzo(b)fluoranthene	23.11	252	131682	1.526	ng	# 88
36) Benzo(k)fluoranthene	23.16	252	35996m	0.433	ng	# 91
37) Benzo(a)pyrene	23.77	252	92033	1.128	ng	# 30
38) Dibenzo(a,h)anthracene	26.56	278	14293	0.171	ng	# 83
39) Benzo(g,h,i)perylene	27.37	276	55691	0.666	ng	# 83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

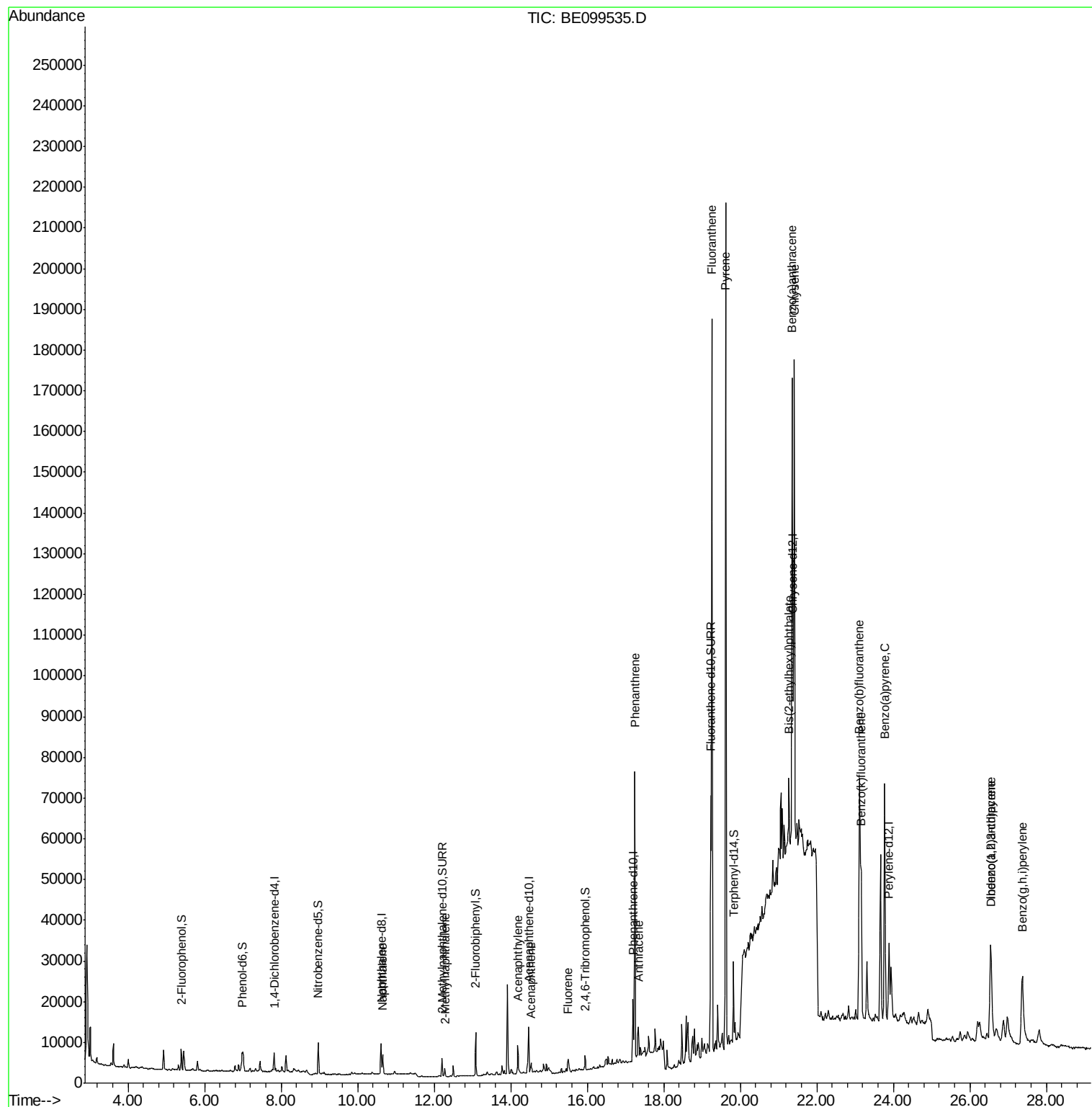
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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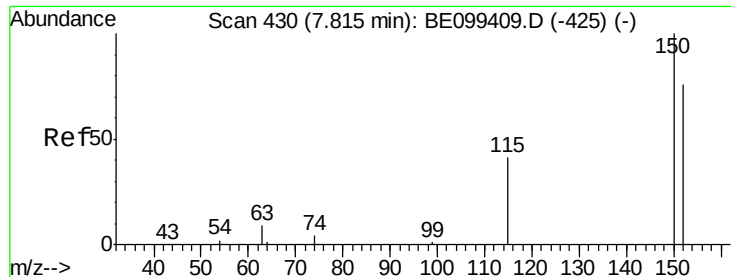
Instrument :
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PST-003-B172-042319

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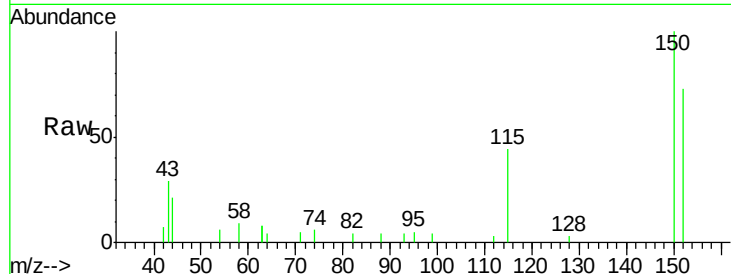




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

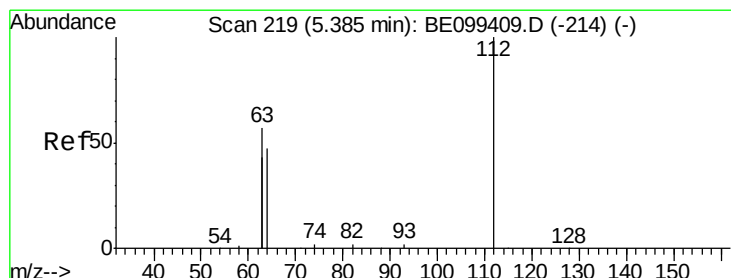
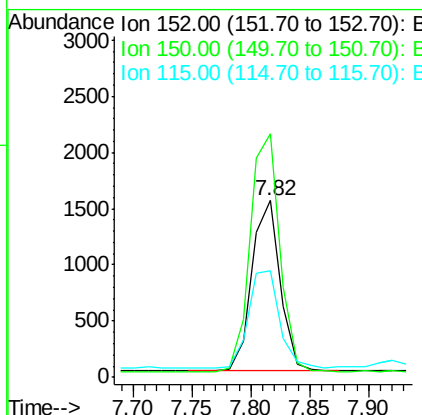
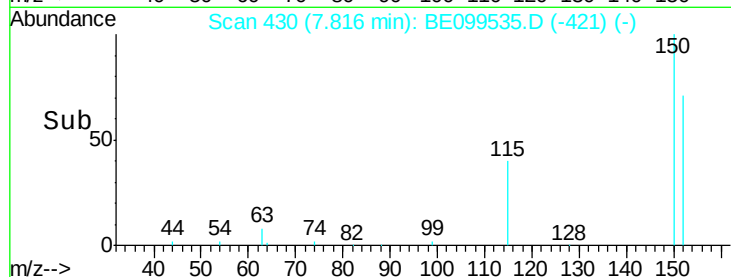
Instrument :
BNA_E
ClientSampleId :
PST-003-B172-042319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	137.8	104.8	157.2
115	60.6	46.6	69.8

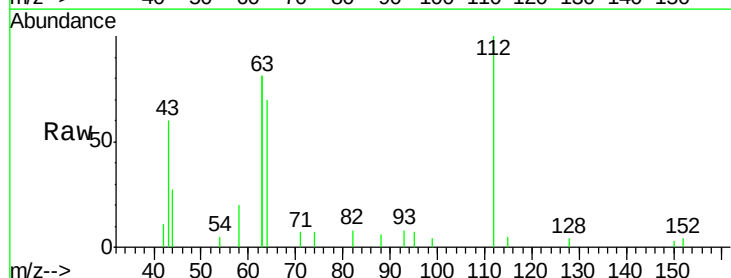
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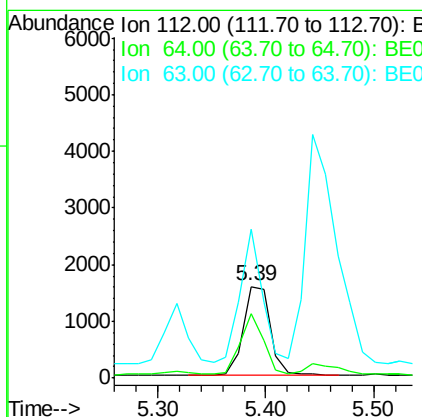
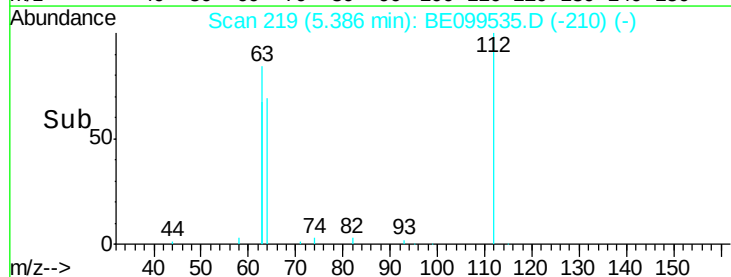


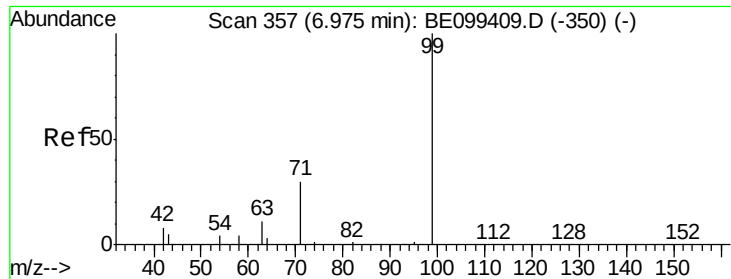
#4

2-Fluorophenol
Concen: 0.388 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19



Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.4	71.0
63	123.3	104.3	156.5





#5

Phenol-d6

Concen: 0.433 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Instrument :

BNA_E

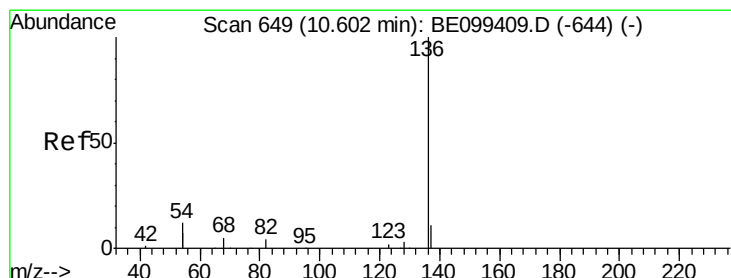
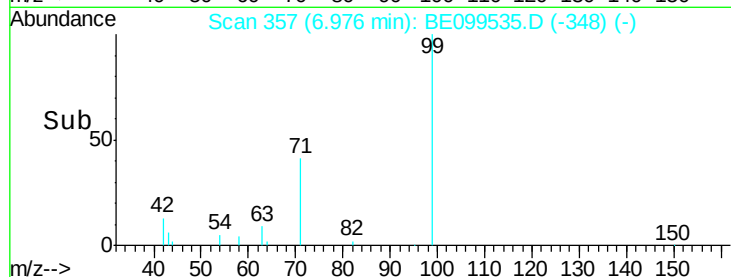
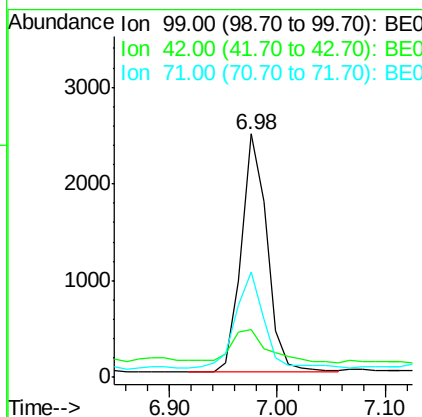
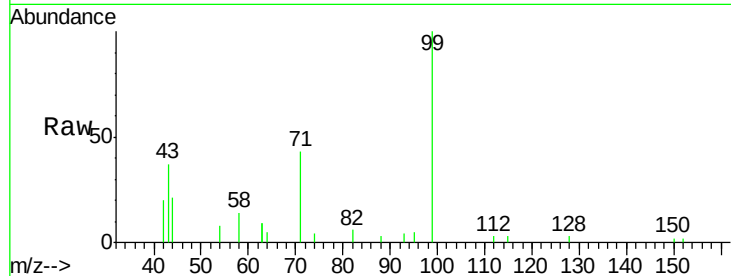
ClientSampleId :

PST-003-B172-042319

Tgt Ion:	99	Resp:	4054
Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.9	22.3
71	44.9	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

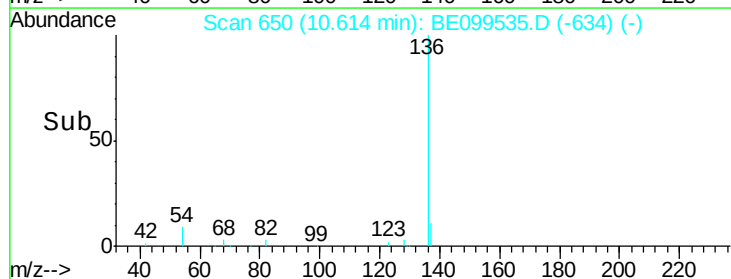
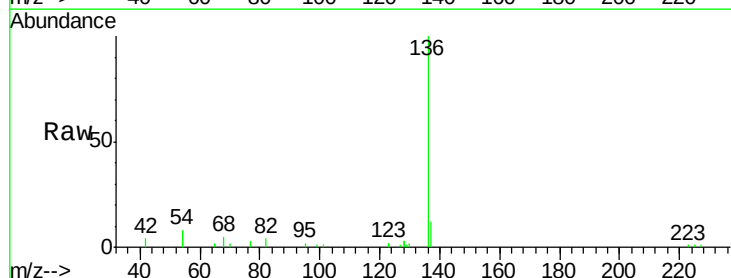
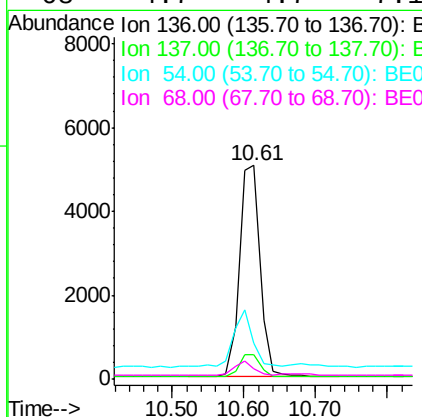
RT: 10.61 min Scan# 650

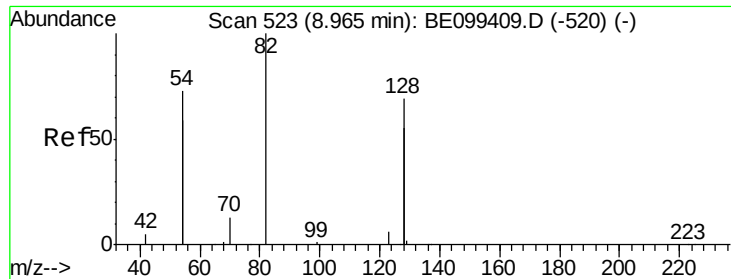
Delta R.T. 0.01 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Tgt Ion:	136	Resp:	10084
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.8
54	16.9	18.5	27.7#
68	4.7	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.378 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Instrument :

BNA_E

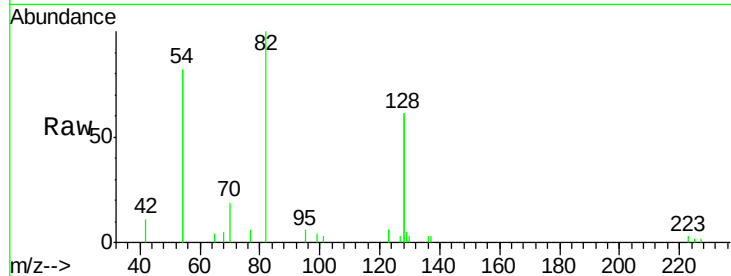
ClientSampleId :

PST-003-B172-042319

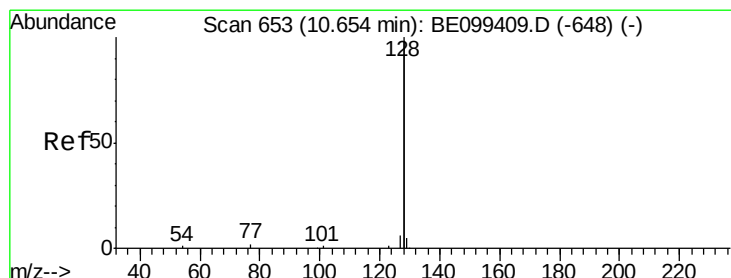
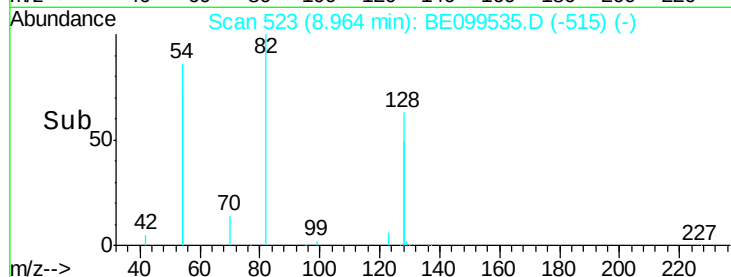
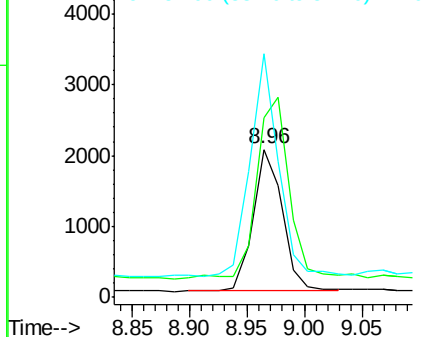
Tgt Ion:	82	Resp:	3576
Ion	Ratio	Lower	Upper
82	100		
128	121.1	107.0	160.4
54	164.4	113.1	169.7

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.071 ng

RT: 10.65 min Scan# 653

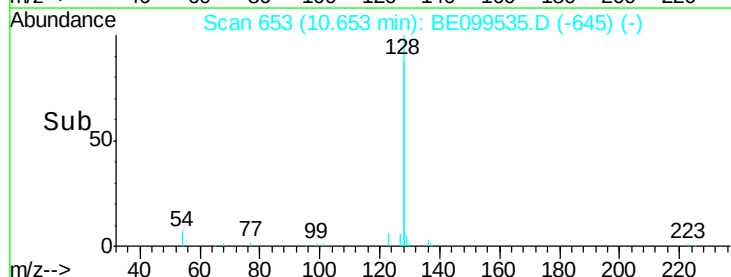
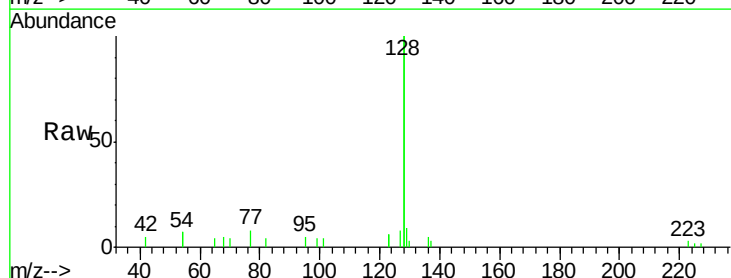
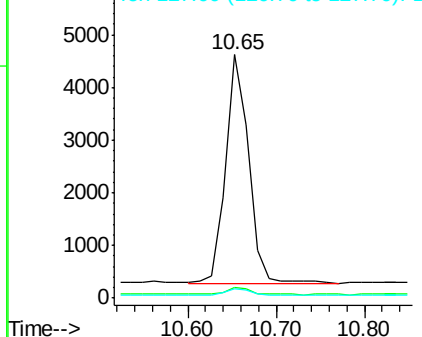
Delta R.T. -0.00 min

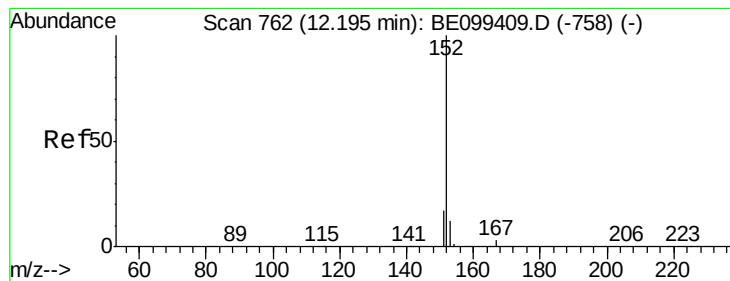
Lab File: BE099535.D

Acq: 3 May 2019 18:19

Tgt Ion:	128	Resp:	7840
Ion	Ratio	Lower	Upper
128	100		
129	4.3	2.4	3.6#
127	4.1	2.8	4.2

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





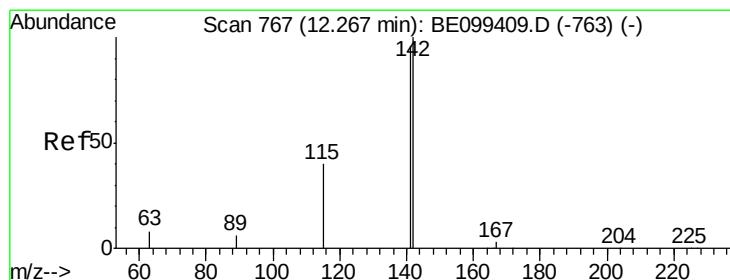
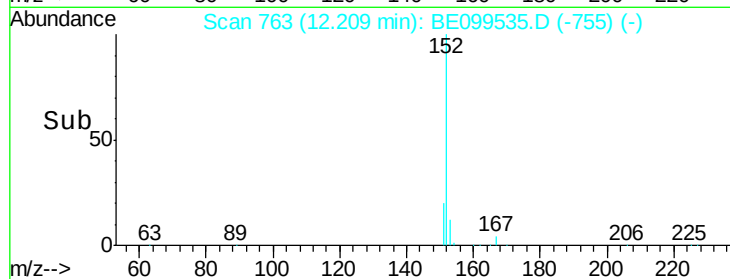
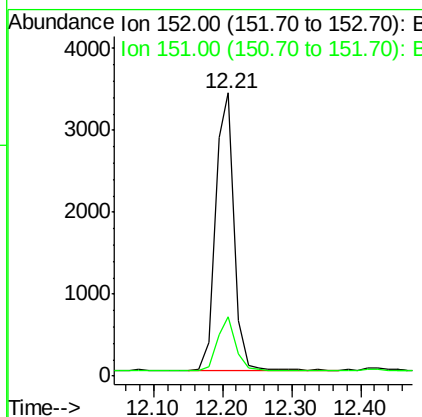
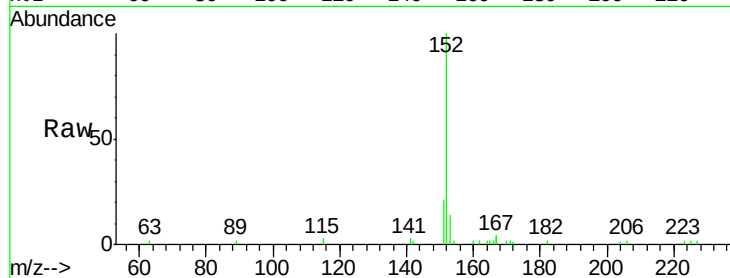
#11
 2-Methylnaphthalene-d10
 Concen: 0.351 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099535.D
 Acq: 3 May 2019 18:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B172-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

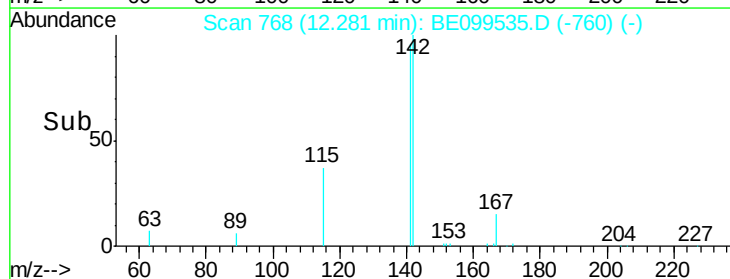
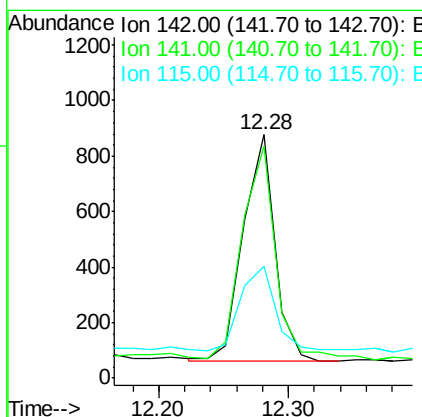
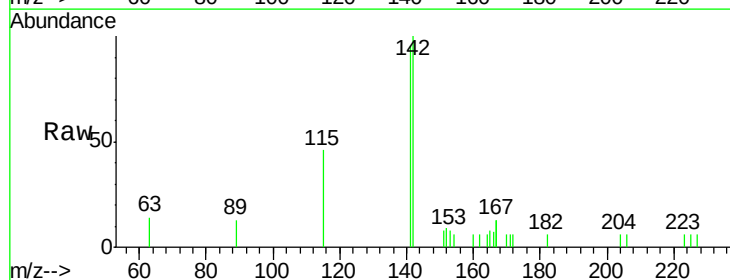
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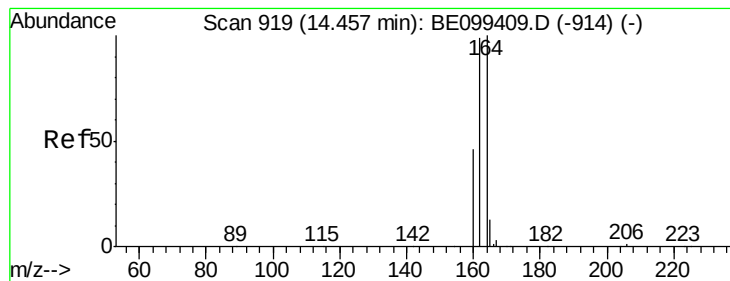
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#12
 2-Methylnaphthalene
 Concen: 0.071 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099535.D
 Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.3	77.0	115.4
115	46.0	33.4	50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.01 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Instrument :

BNA_E

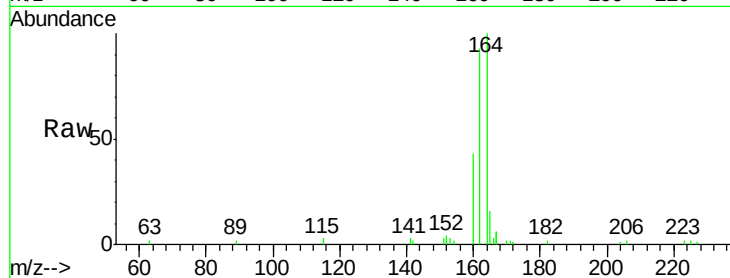
ClientSampleId :

PST-003-B172-042319

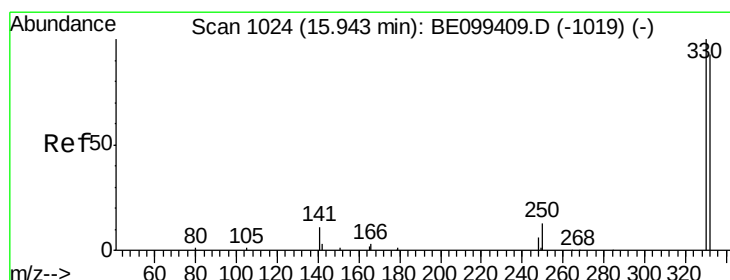
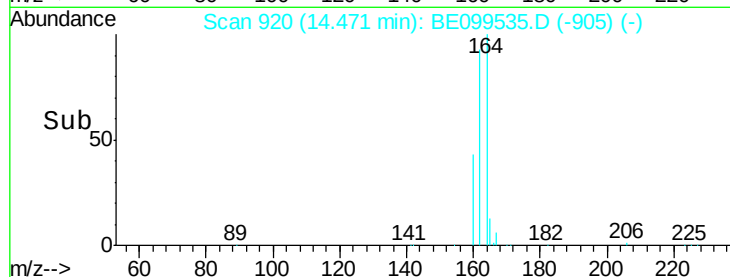
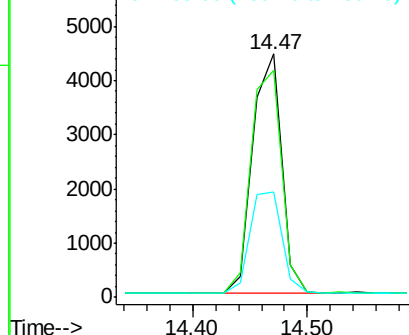
Tgt Ion:	164	Resp:	7775
Ion Ratio	Lower	Upper	
164	100		
162	93.3	79.0	118.4
160	43.4	37.0	55.4

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.401 ng

RT: 15.94 min Scan# 1024

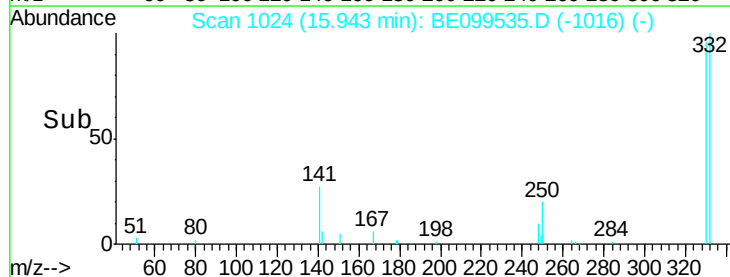
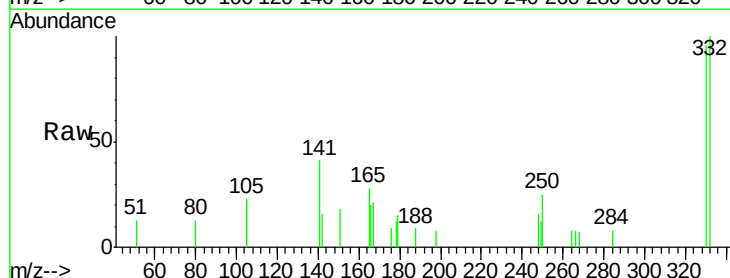
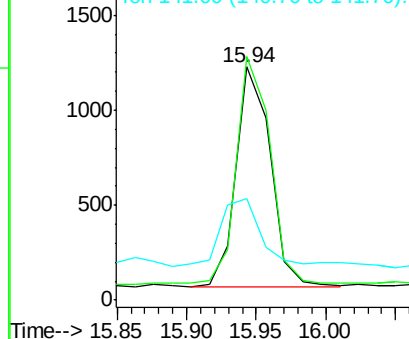
Delta R.T. 0.00 min

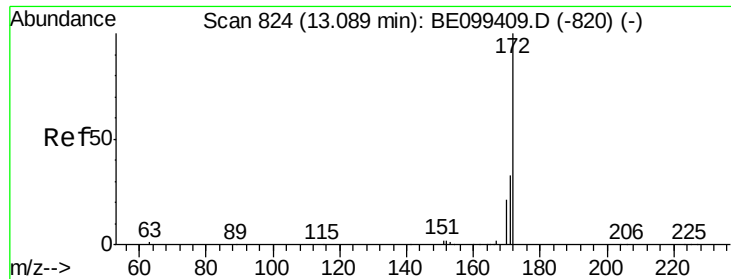
Lab File: BE099535.D

Acq: 3 May 2019 18:19

Tgt Ion:	330	Resp:	1966
Ion Ratio	Lower	Upper	
330	100		
332	99.8	71.5	107.3
141	39.8	24.0	36.0#

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





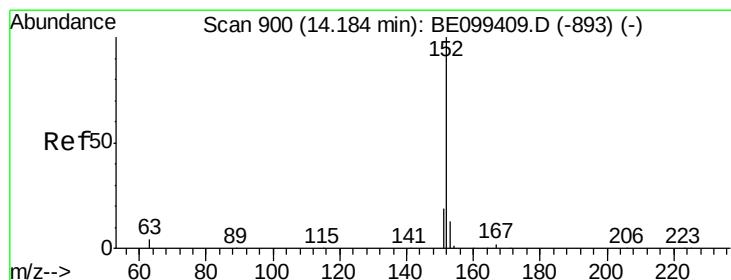
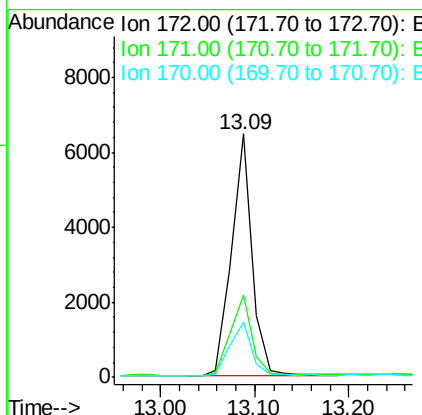
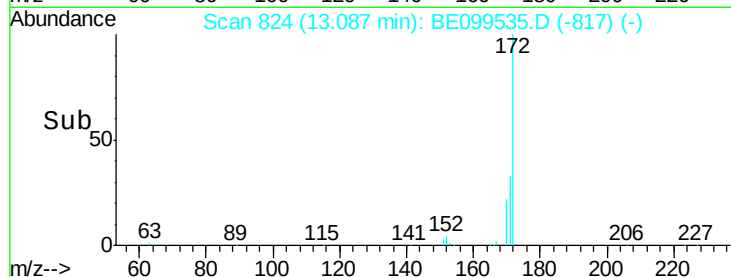
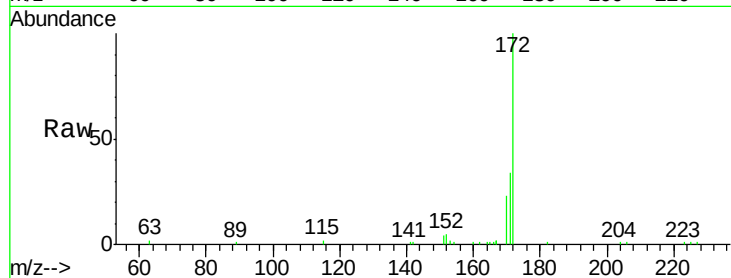
#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

Instrument :
BNA_E
ClientSampleId :
PST-003-B172-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.6	39.8
170	22.9	17.0	25.6

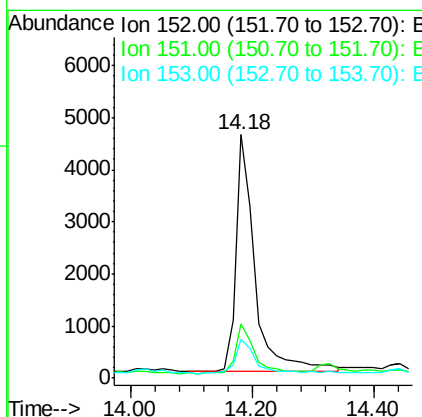
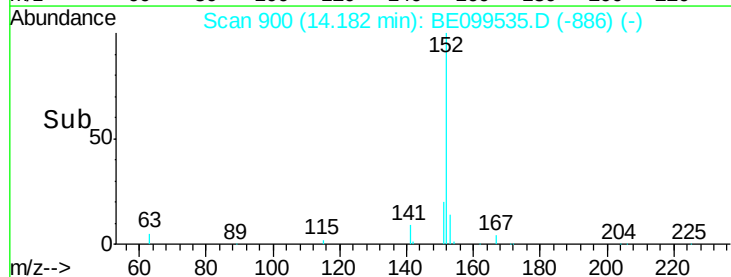
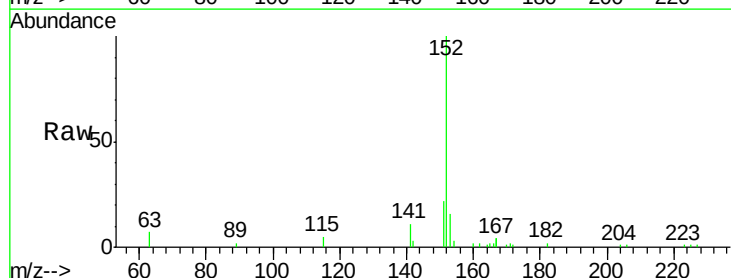
Manual Integrations
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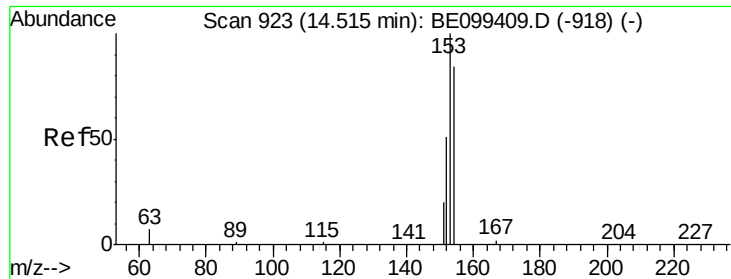
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#16
Acenaphthylene
Concen: 0.263 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

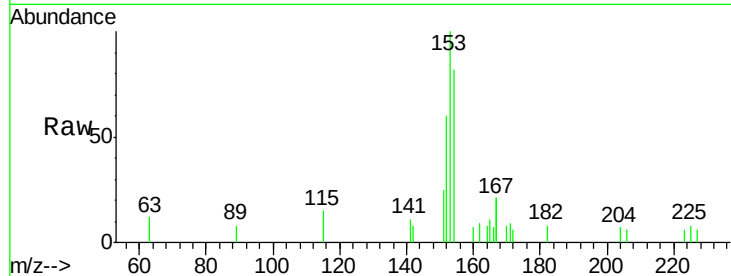
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.2
153	15.4	9.8	14.6#





#17
Acenaphthene
Concen: 0.053 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

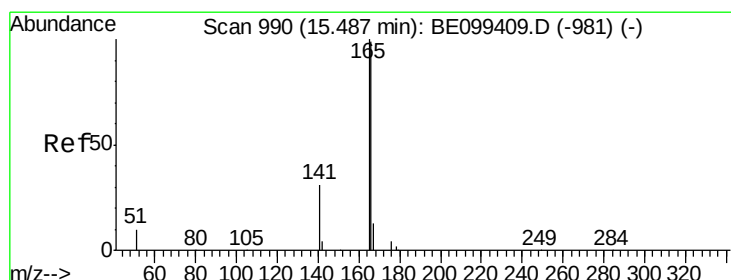
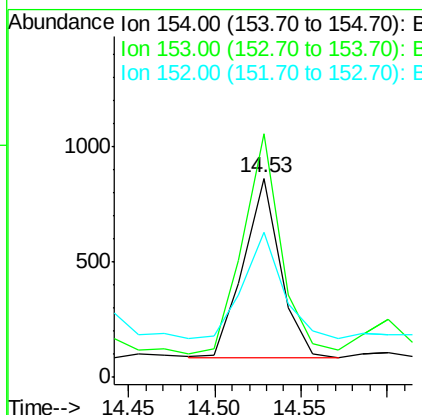
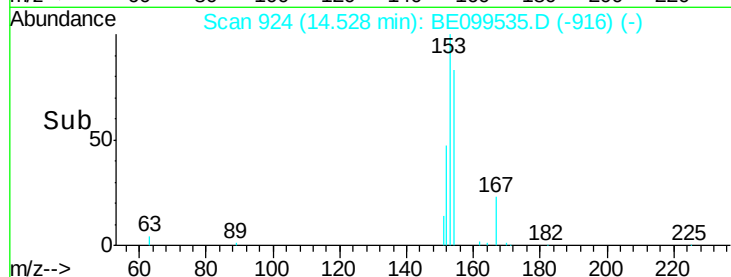
Instrument :
BNA_E
ClientSampleId :
PST-003-B172-042319



Tgt Ion	Ratio	Lower	Upper
154	100		
153	127.6	92.6	138.8
152	64.5	45.8	68.8

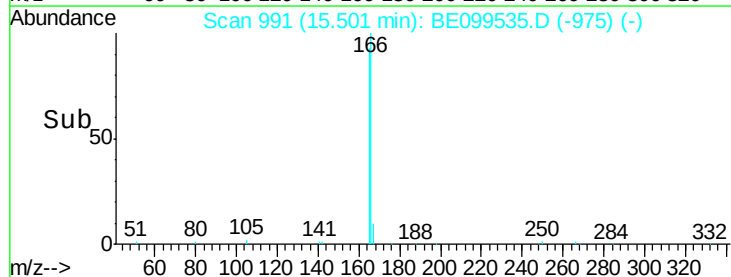
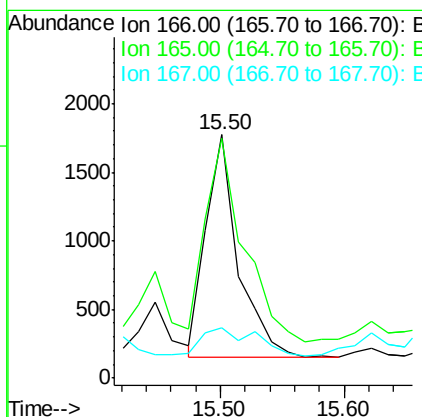
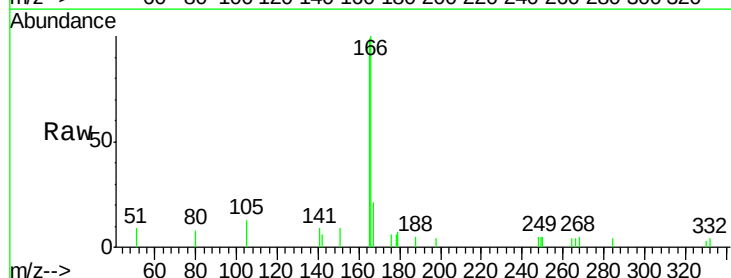
Manual Integrations
APPROVED

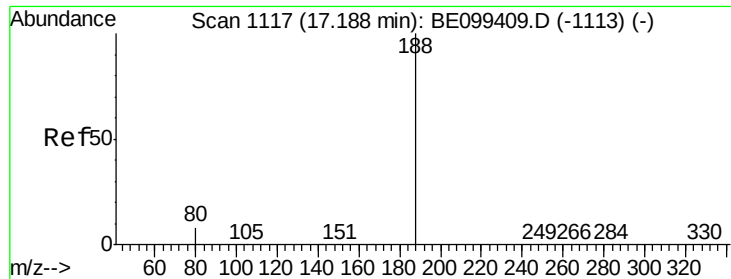
mohammad
5/7/2019 11:57:01 PM



#18
Fluorene
Concen: 0.091 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.1	80.3	120.5
167	21.6	10.7	16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Instrument :

BNA_E

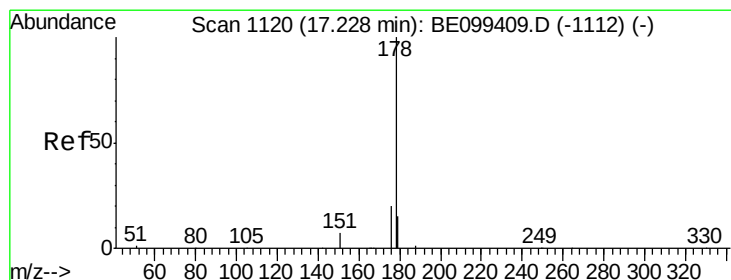
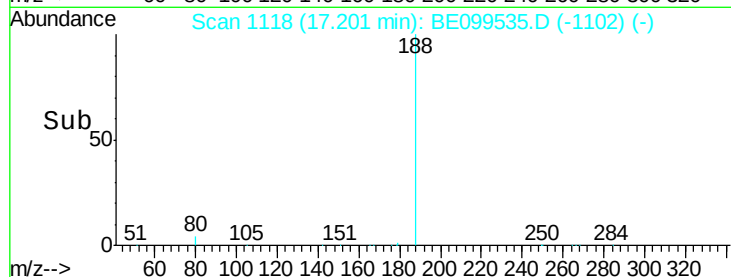
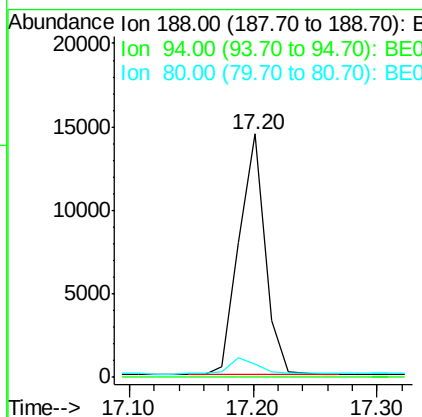
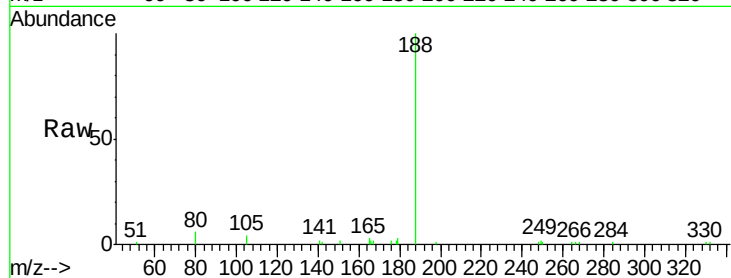
ClientSampleId :

PST-003-B172-042319

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	21330		
94	0.0	0.0	0.0	
80	5.6	6.7	10.1	

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#23

Phenanthrene

Concen: 1.291 ng

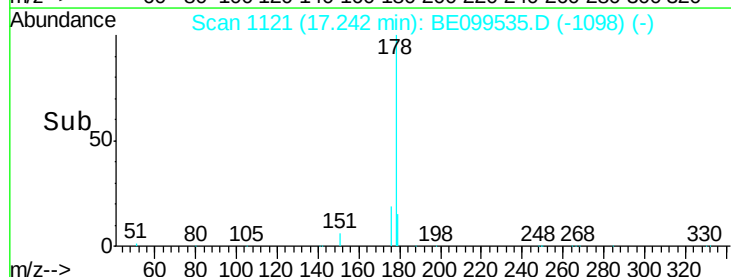
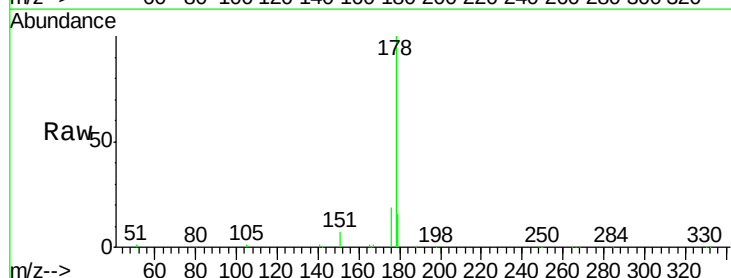
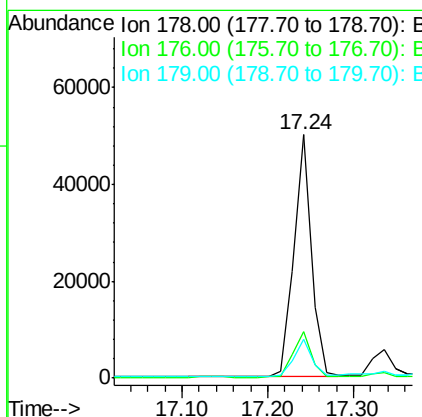
RT: 17.24 min Scan# 1121

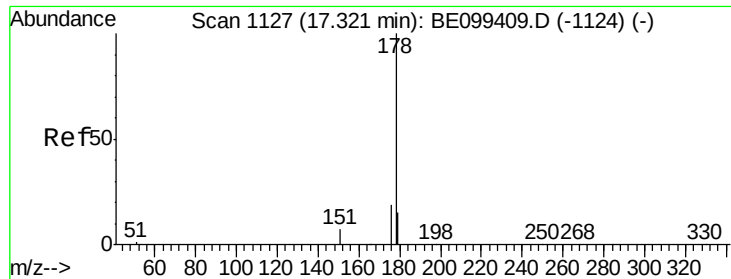
Delta R.T. 0.01 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	71075		
176	19.4	15.6	23.4	
179	15.7	12.0	18.0	





#24

Anthracene

Concen: 0.169 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Instrument :

BNA_E

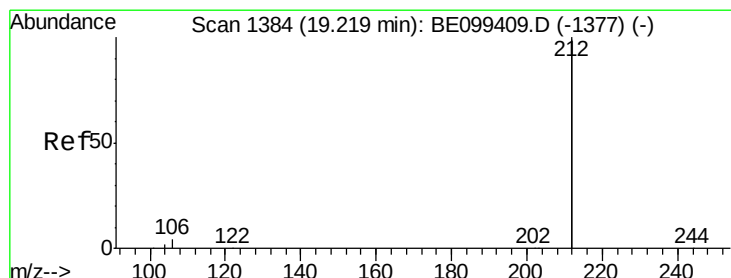
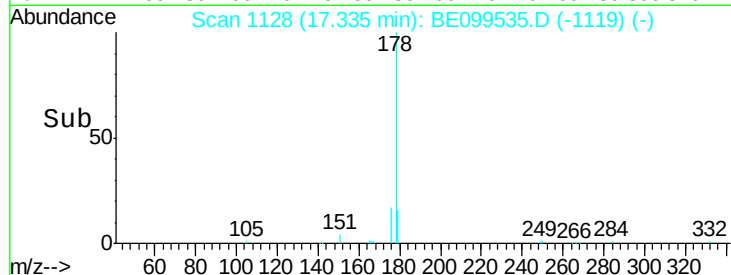
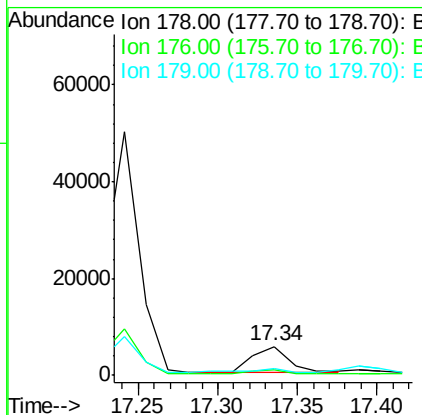
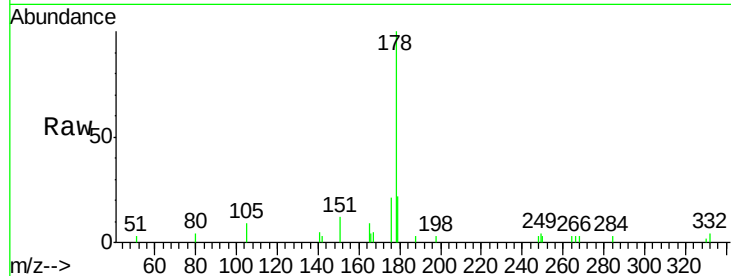
ClientSampleId :

PST-003-B172-042319

Tgt Ion:	178	Resp:	8855
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	18.8	11.9	17.9#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.280 ng

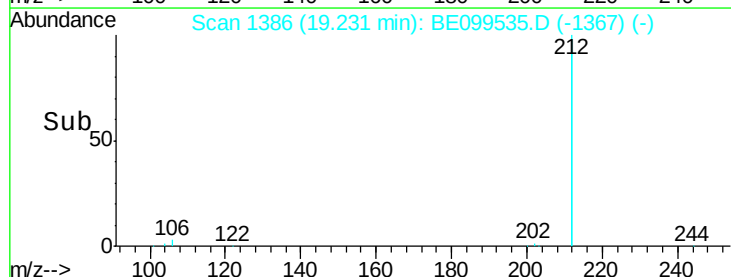
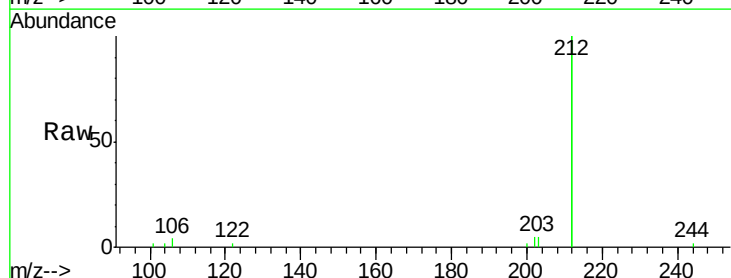
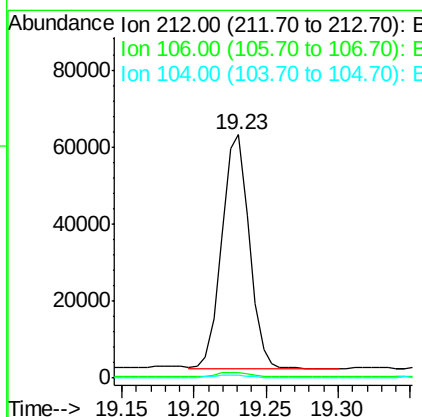
RT: 19.23 min Scan# 1386

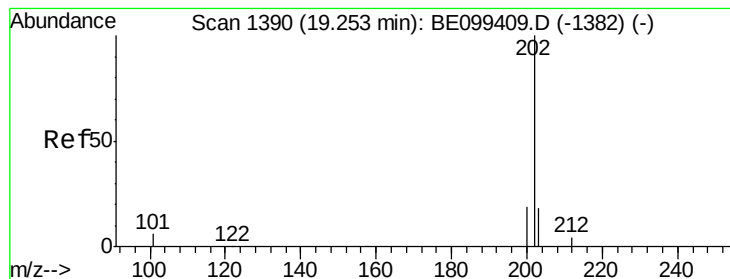
Delta R.T. 0.01 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Tgt Ion:	212	Resp:	80359
Ion Ratio	Lower	Upper	
212	100		
106	2.0	1.5	2.3
104	1.1	0.9	1.3





#26

Fluoranthene

Concen: 1.989 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Instrument :

BNA_E

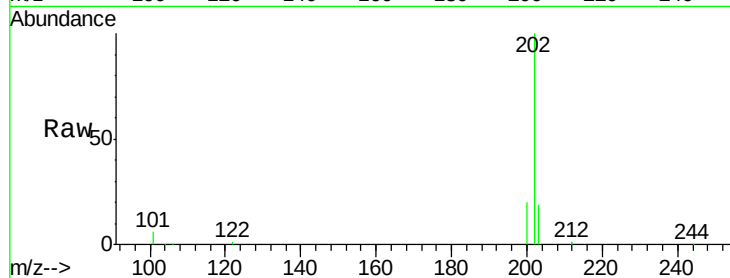
ClientSampleId :

PST-003-B172-042319

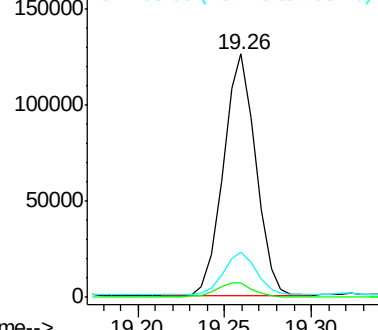
Tgt	Ion	Resp	Lower	Upper
202	100			
101	6.1	5.4	8.0	
203	17.8	13.9	20.9	

Manual Integrations
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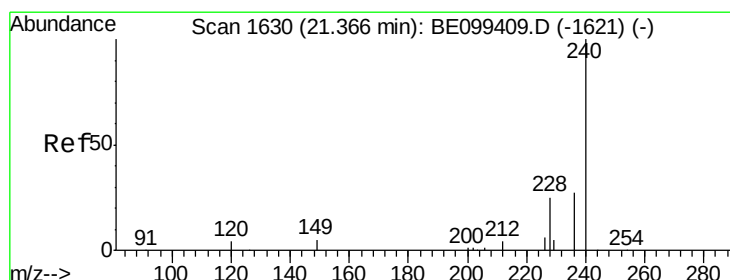
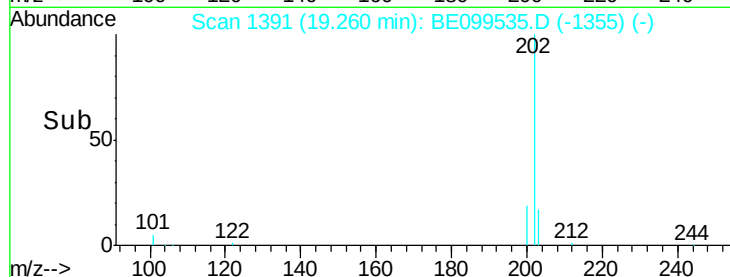
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#27

Chrysene-d12

Concen: 0.400 ng

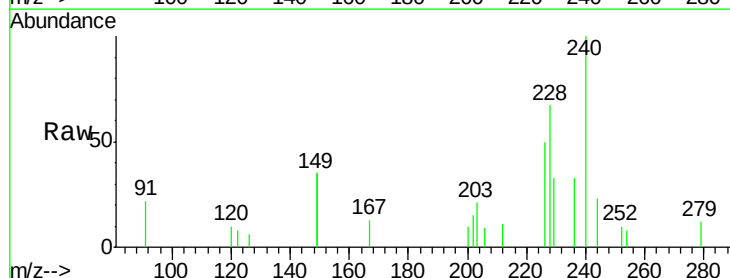
RT: 21.38 min Scan# 1631

Delta R.T. 0.01 min

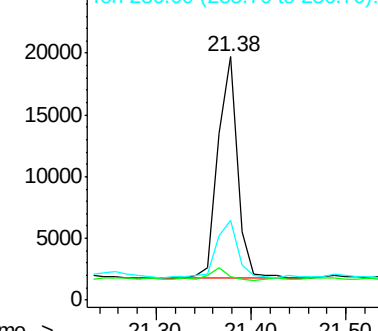
Lab File: BE099535.D

Acq: 3 May 2019 18:19

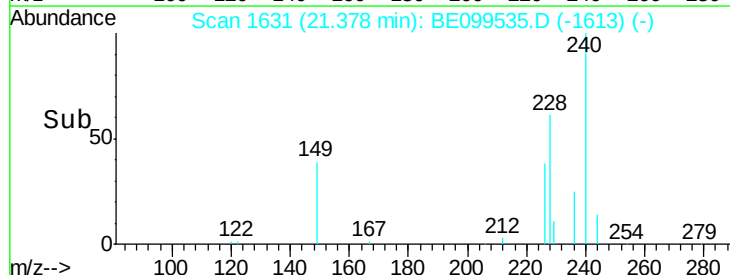
Tgt	Ion	Resp	Lower	Upper
240	100			
120	9.7	4.0	6.0#	
236	32.7	22.0	33.0	

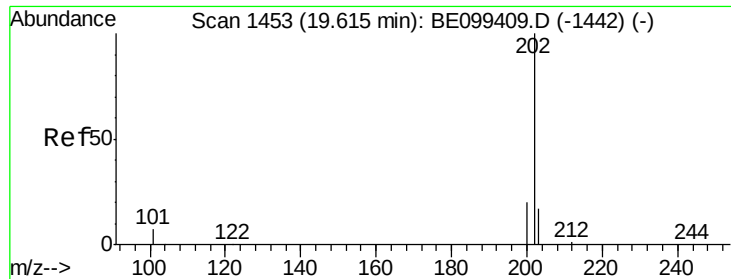


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





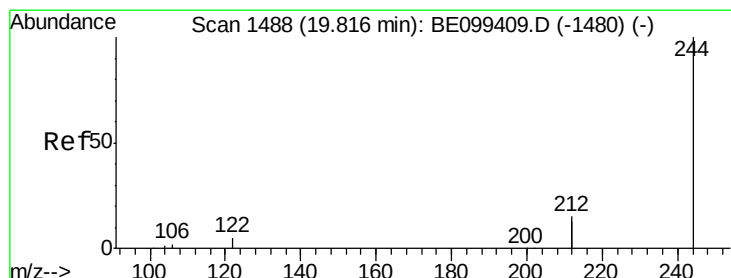
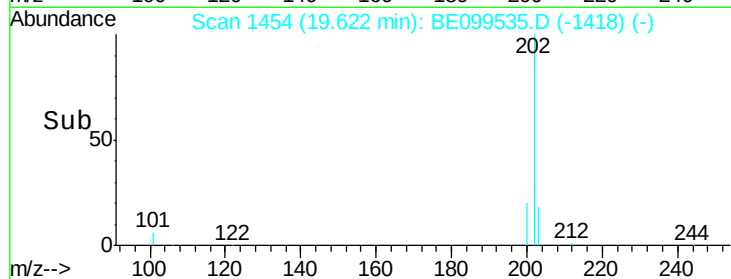
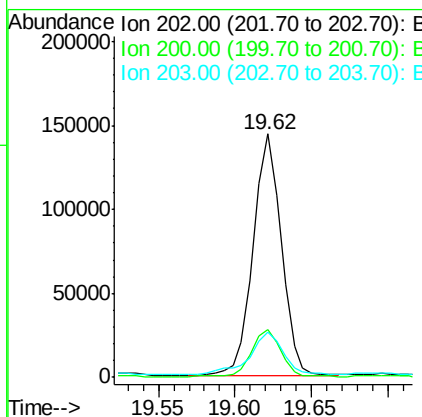
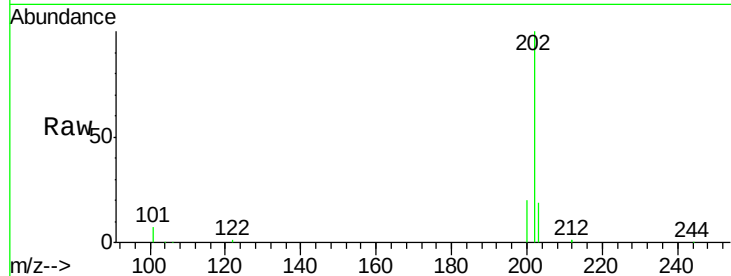
#28
 Pyrene
 Concen: 2.727 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BE099535.D
 Acq: 3 May 2019 18:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B172-042319

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.9	15.7	23.5	
203	21.0	13.9	20.9	

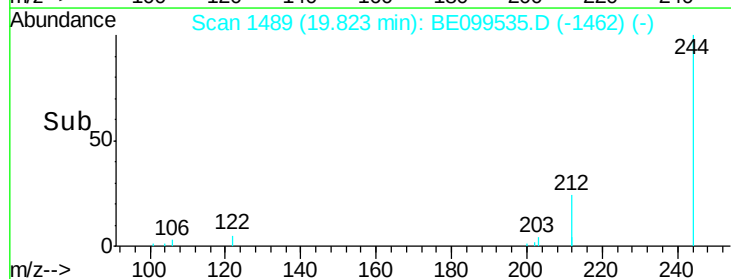
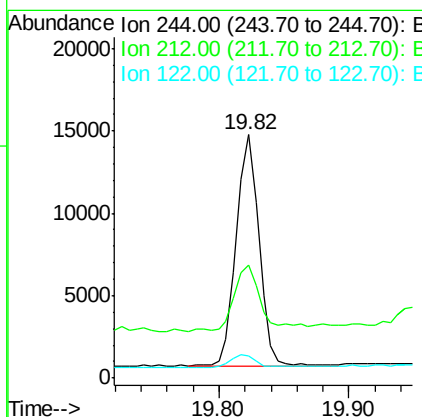
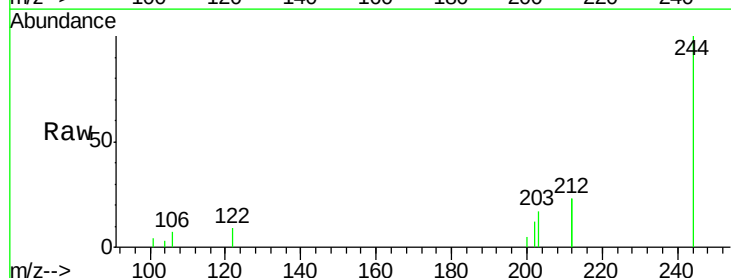
Manual Integrations
 APPROVED

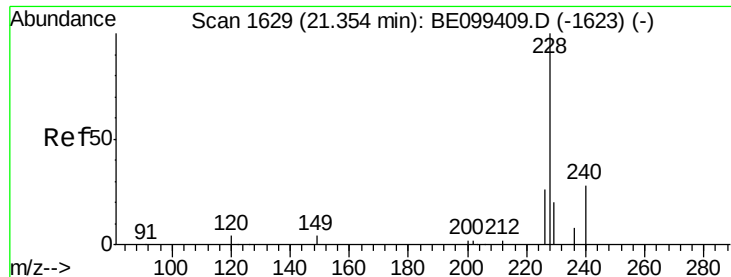
mohammad
 5/7/2019 11:57:01 PM



#29
 Terphenyl-d14
 Concen: 0.361 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: BE099535.D
 Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	46.2	23.2	34.8	
122	9.1	4.2	6.4	





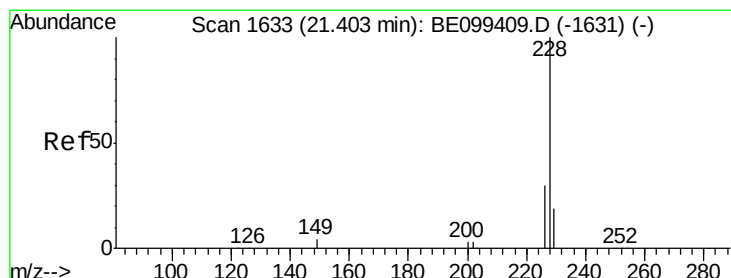
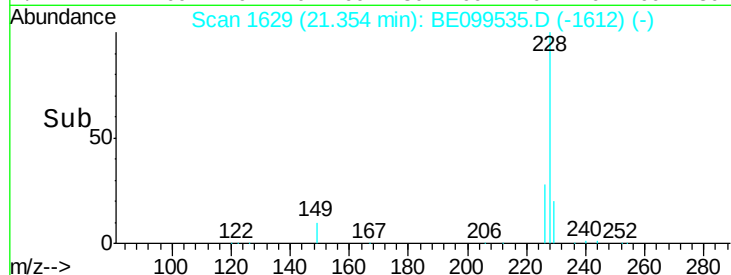
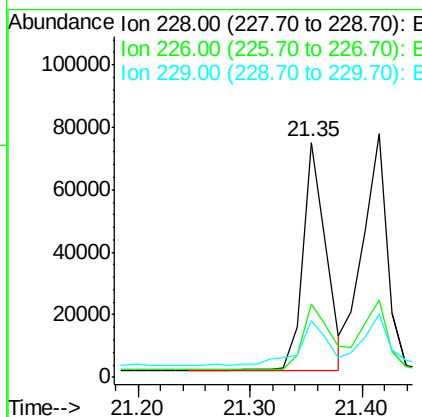
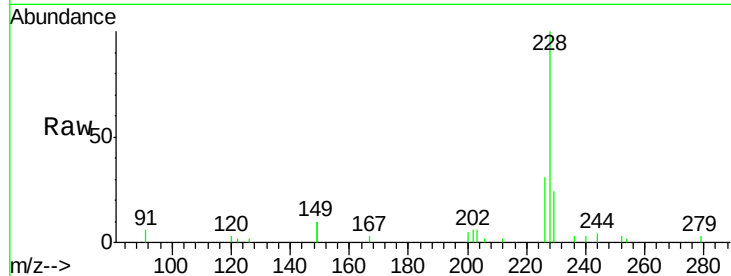
#30
Benzo(a)anthracene
Concen: 1.278 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

Instrument :
BNA_E
ClientSampleId :
PST-003-B172-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.0	31.6
229	24.4	16.6	25.0

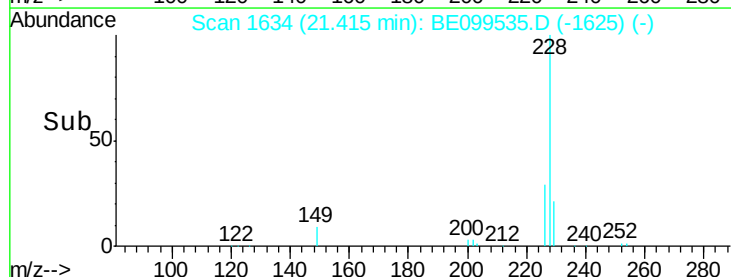
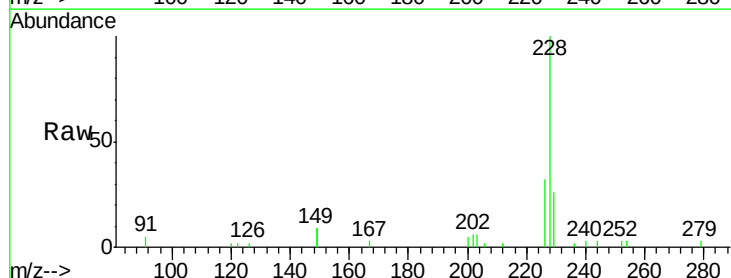
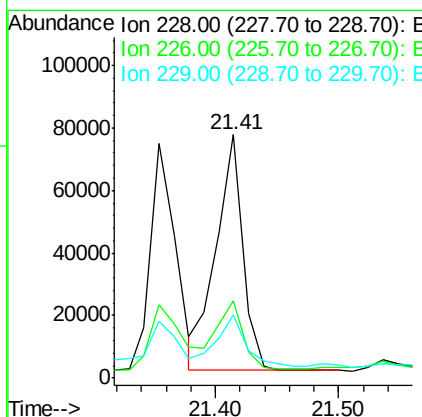
Manual Integrations
APPROVED

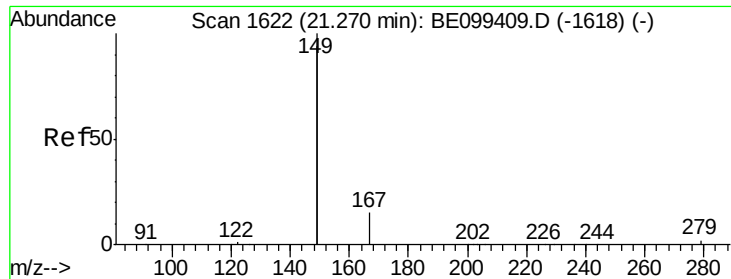
mohammad
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#31
Chrysene
Concen: 1.438 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.0	36.0
229	25.8	15.8	23.8





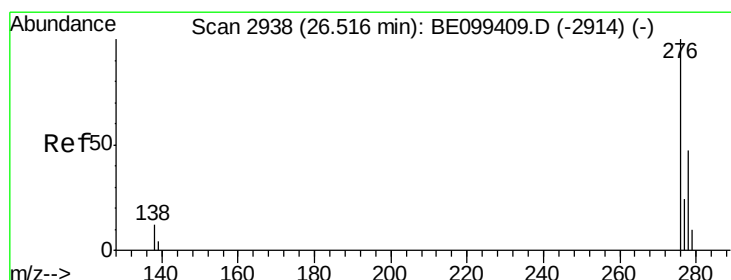
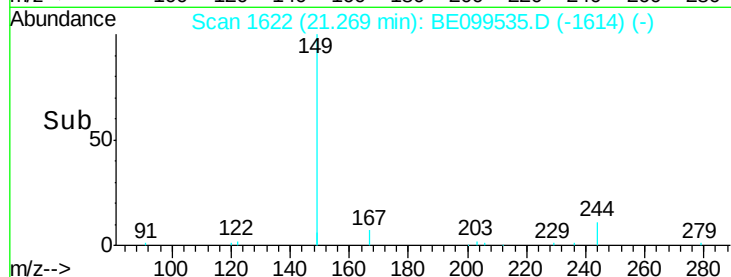
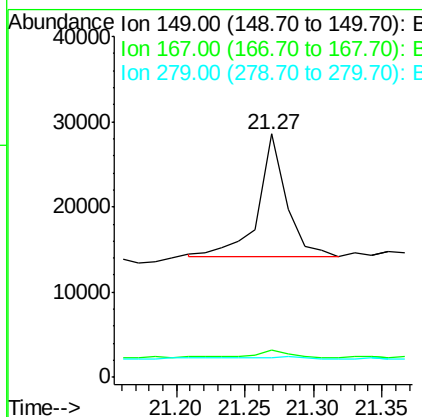
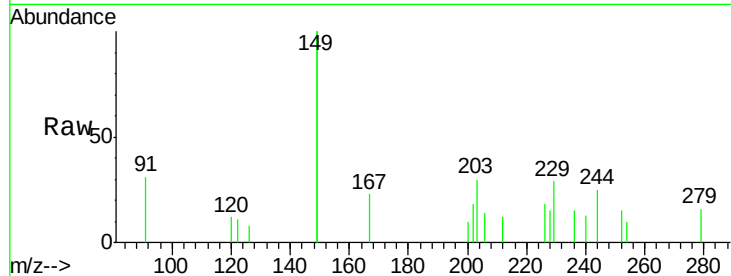
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.102 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099535.D
 Acq: 3 May 2019 18:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B172-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	7.9	5.8	8.6
279	0.0	1.0	1.6#

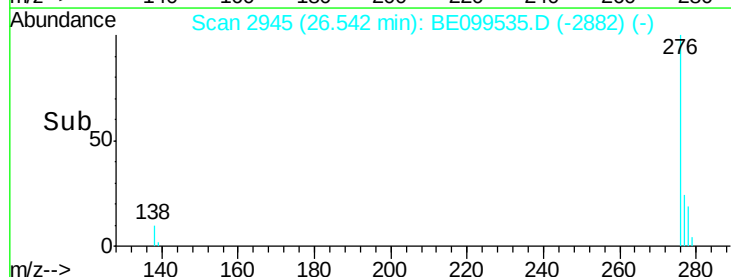
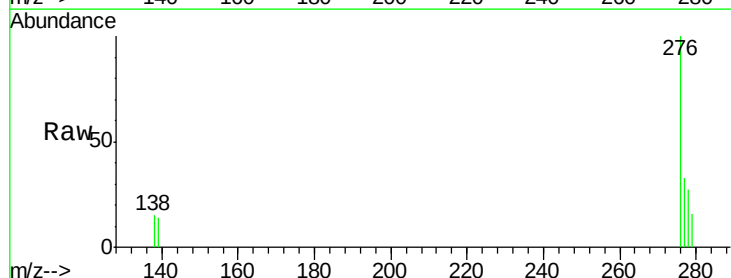
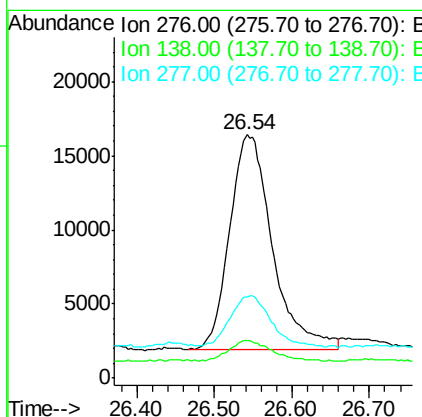
Manual Integrations
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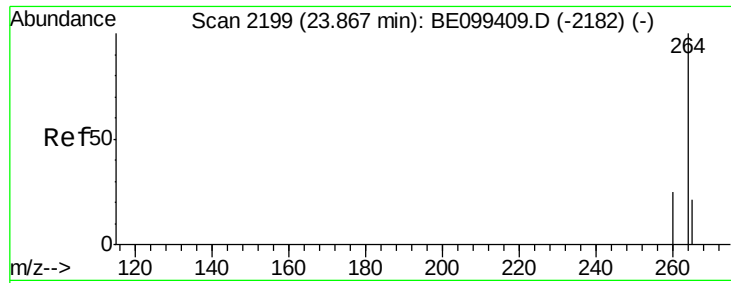
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.586 ng
 RT: 26.54 min Scan# 2945
 Delta R.T. 0.03 min
 Lab File: BE099535.D
 Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	9.1	10.2	15.2#
277	22.9	19.2	28.8





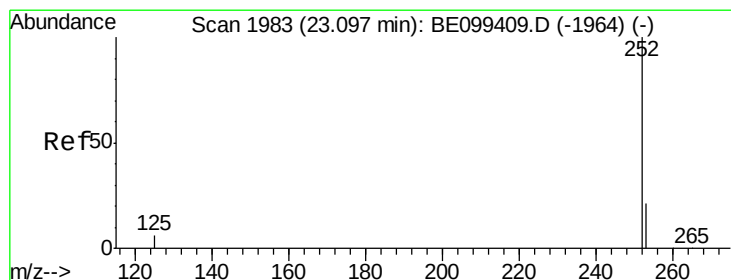
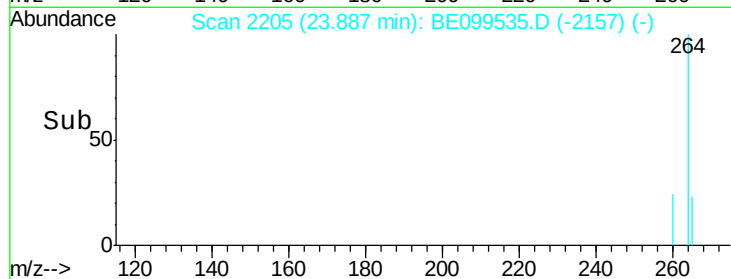
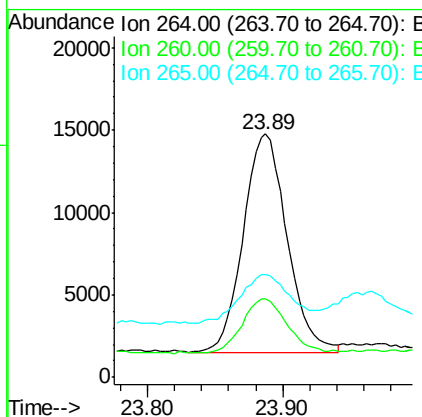
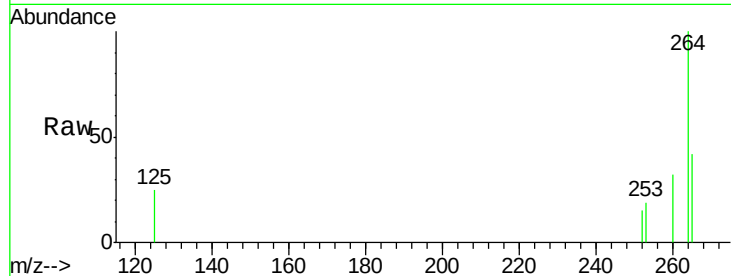
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2205
 Delta R.T. 0.02 min
 Lab File: BE099535.D
 Acq: 3 May 2019 18:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B172-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	32.1	20.2	30.2#
265	42.4	21.3	31.9#

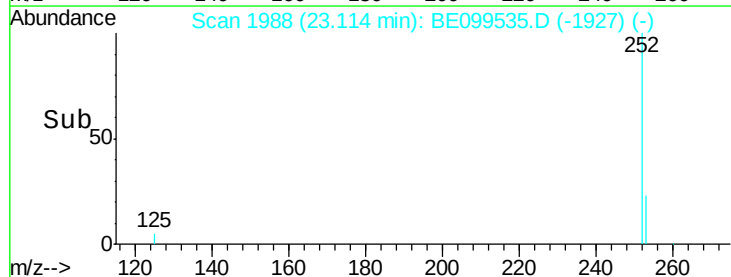
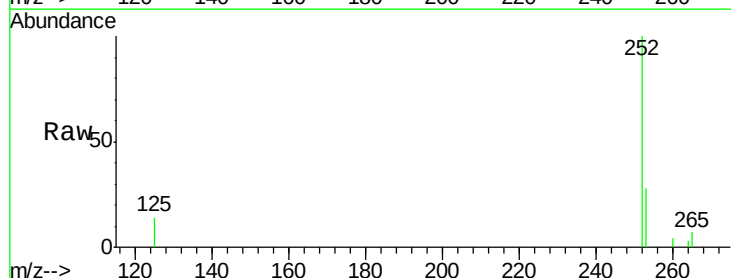
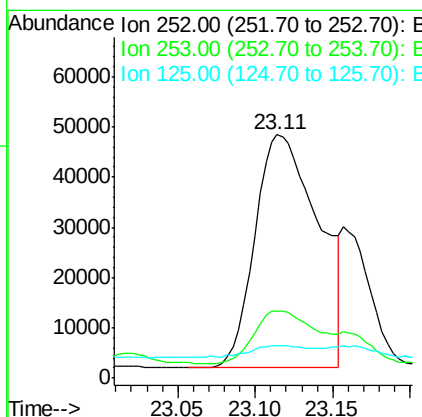
Manual Integrations
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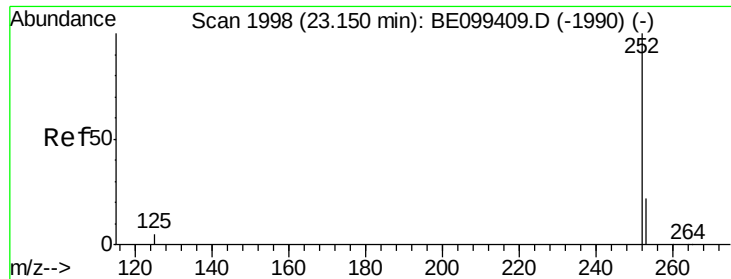
mohammad
 5/7/2019 11:57:01 PM



#35
Benzo(b)fluoranthene
 Concen: 1.526 ng
 RT: 23.11 min Scan# 1988
 Delta R.T. 0.02 min
 Lab File: BE099535.D
 Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	27.7	18.1	27.1#
125	13.5	5.6	8.4#





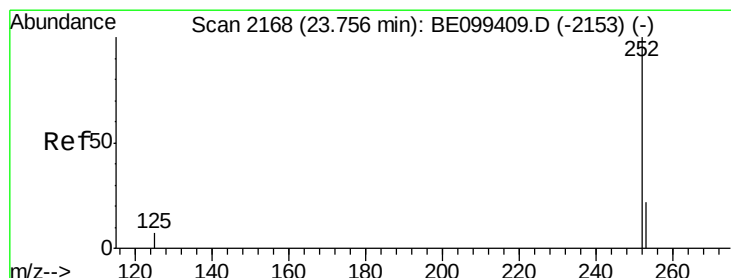
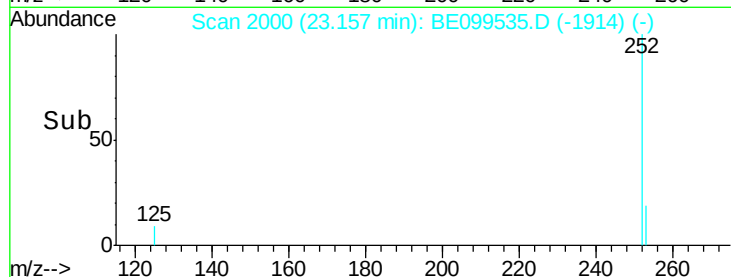
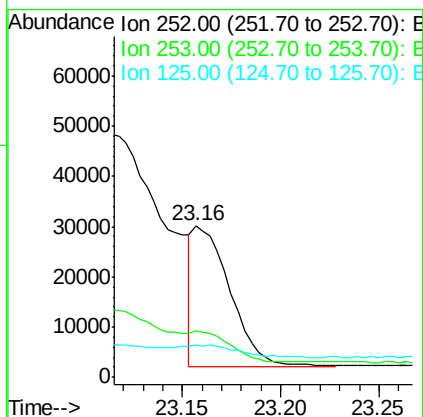
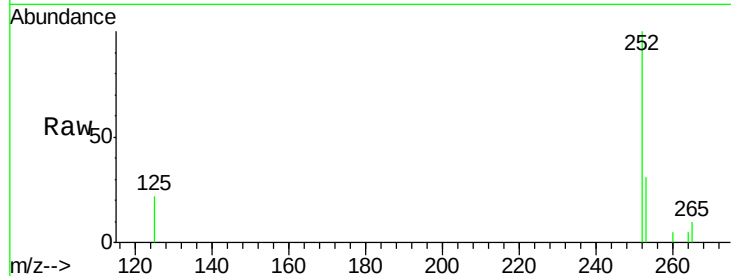
#36
Benzo(k)fluoranthene
Concen: 0.433 ng m
RT: 23.16 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

Instrument :
BNA_E
ClientSampleId :
PST-003-B172-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.4	27.6#
125	21.5	5.0	7.4#

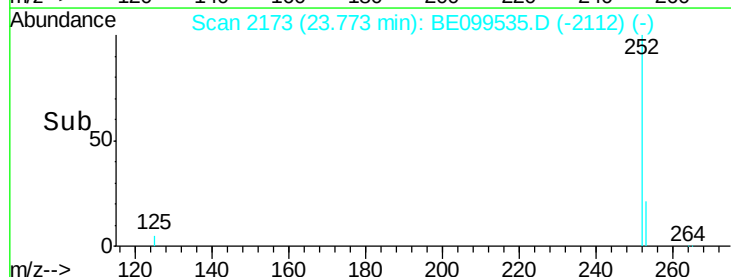
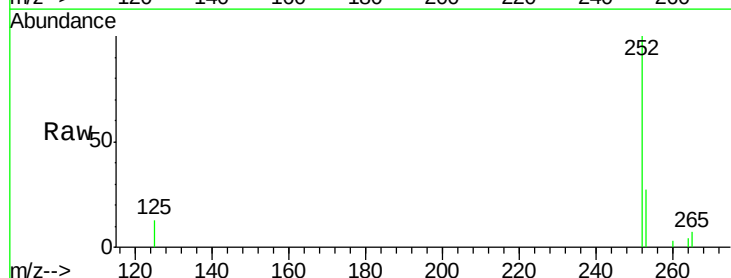
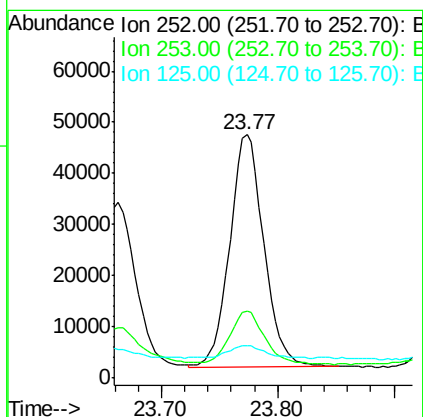
Manual Integrations
APPROVED

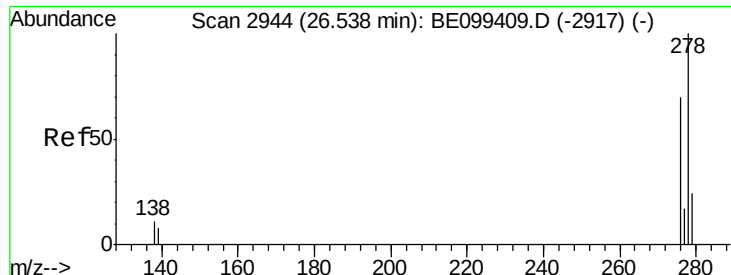
mohammad
5/7/2019 11:57:01 PM



#37
Benzo(a)pyrene
Concen: 1.128 ng
RT: 23.77 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BE099535.D
Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.9	28.3
125	13.2	6.7	10.1#





#38

Dibenzo(a,h)anthracene

Concen: 0.171 ng

RT: 26.56 min Scan# 2951

Delta R.T. 0.03 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Instrument :

BNA_E

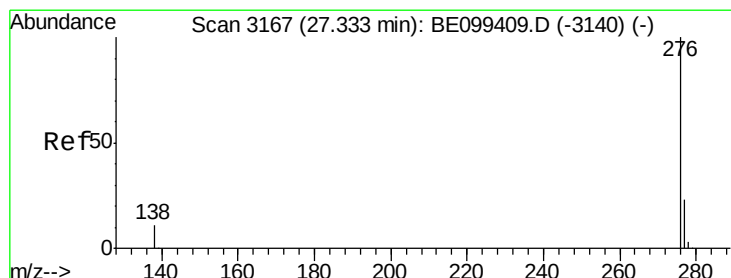
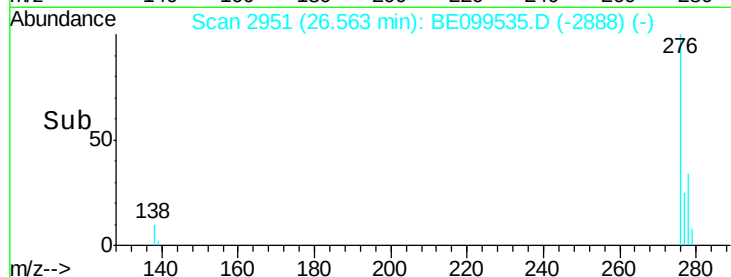
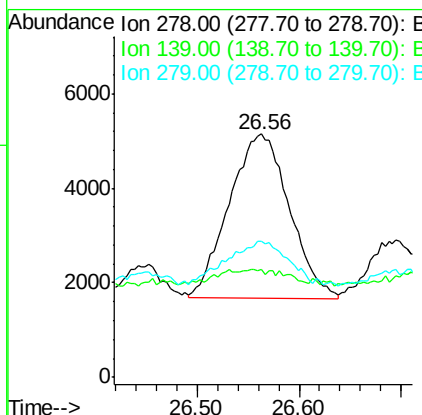
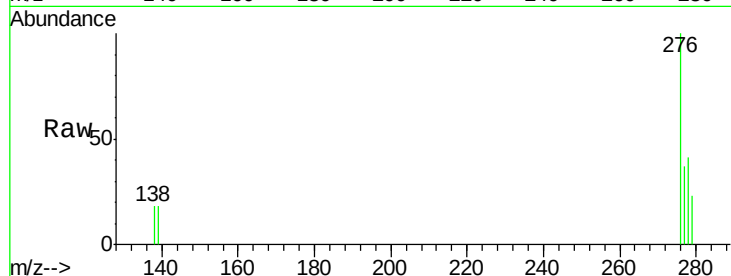
ClientSampleId :

PST-003-B172-042319

Tgt Ion	Ratio	Lower	Upper
278	100		
139	44.5	7.7	11.5#
279	55.7	20.2	30.2#

Manual Integrations
APPROVED

mohammad
5/7/2019 11:57:01 PM



#39

Benzo(g,h,i)perylene

Concen: 0.666 ng

RT: 27.37 min Scan# 3178

Delta R.T. 0.04 min

Lab File: BE099535.D

Acq: 3 May 2019 18:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.9	19.5	29.3#
138	15.5	9.6	14.4#

